

CLAIMS

1. (Previously presented) In a system comprising a first client, a context management (CM) server, a remote application server and at least one network that couples together the first client, the CM server and the remote application server, the remote application server executing at least one remote application, the first client executing at least one client application that may share a context with the at least one remote application, the first client further executing an emulation application that emulates the at least one remote application on the first client, the CM server executing a context management service to manage the context, a method of verifying that the at least one remote application is emulated on the first client and may belong to the context, the method comprising acts of:

- (a) receiving from the first client first information that uniquely identifies an aspect of the first client;
- (b) receiving from the remote application server second information that uniquely identifies an aspect of a remote client on which the at least one remote application is emulated;
- (c) determining that the at least one remote application is emulated on the first client and may belong to the context when the first information matches the second information; and
- (d) if it is determined in the act (c) that the at least one remote application is emulated on the first client, allowing the at least one remote application and the at least one client application to belong to the context, the context being defined by subject data for at least one subject usable by the at least one client application and the at least one remote application, the subject data comprising, for the at least one subject, a data item having a set of values comprising at least a first value corresponding to the at least one client application and at least a second value corresponding to the at least one remote application, the set of values identifying the at least one subject in the context.

2. (Previously presented) The method of claim 1, wherein the act (a) comprises an act of receiving from the first client first information that comprises a hardware address for the first client;

wherein the act (b) comprises an act of receiving from the remote application server a hardware address for the remote client on which the at least one remote application is emulated;

and wherein the act (c) comprises an act of determining that the at least one remote application is emulated on the first client and may belong to the context when the hardware address in the first information matches the hardware address in the second information.

3. (Previously presented) The method of claim 1, wherein the act (b) comprises an act of receiving, at the remote application server, the hardware address transmitted from the remote client on which the at least one remote application is emulated.

4. (Previously presented) In a system comprising at least one client, a context management (CM) server, a plurality of remote application servers and at least one network that couples together the at least one client, the CM server and the plurality of remote application servers, the plurality of remote application servers comprising first and second remote application servers respectively executing first and second remote applications that are emulated on the at least one client and may share a context, the at least one client executing at least one emulation application that emulates the first and second remote applications on the at least one client, the CM server executing a context management service to manage the context, a method of verifying that the first and second remote applications are emulated on a same client and may belong to a same context, the method comprising acts of:

(a) receiving from the first remote application server first information that uniquely identifies an aspect of a client on which the first remote application is emulated;

(b) receiving from the second remote application server second information that uniquely identifies an aspect of a client on which the second remote application is emulated;

(c) determining that the first and second remote applications are emulated on the same client and may belong to the same context by examining the first information and the second information; and

(d) if it is determined in the act (c) that the first and second remote applications are emulated on the same client, allowing the first and second remote applications to belong to the same context, the context being defined by subject data usable by the first and second remote applications, the subject data describing at least one subject, the subject data comprising, for the at least one subject, a data item having a set of values comprising at least a first value corresponding to the first remote application and at least a second value corresponding to the second remote application, the set of values identifying the at least one subject in the context.

5. (Original) The method of claim 4, wherein each client that emulates a remote application executing on the at least one remote application server logs into the remote application server using login information, wherein the first information comprises the login information for the client on which the first remote application is emulated and the second information comprises the login information for the client on which the second remote application is emulated.

6. (Original) The method of claim 5, wherein the login information comprises a user identifier.

7. (Previously presented) The method of claim 4, further comprising an act of (e) receiving from the same client information that uniquely identifies the aspect of the client identified by the first information in the act (a) and information that uniquely identifies the aspect of the client identified by the second information in the act (b); and

wherein the act (c) comprises an act of determining that the first and second remote applications are emulated on the same client when the information received in the act (e) matches the first and second information.

8. (Original) The method of claim 4, wherein the act (c) comprises determining that the first and second remote applications are emulated on the same client and may belong to the same context when the first information matches the second information.

9. (Original) The method of claim 8, wherein the first information comprises an address of the client on which the first remote application is emulated and the second information comprises an address of the client on which the second remote application is emulated.

10. (Original) The method of claim 8, wherein the first information comprises an internet protocol (IP) address of the client on which the first remote application is emulated and the second information comprises an IP address of the client on which the second remote application is emulated.

11. (Original) The method of claim 5, wherein the first information further comprises an address of the client on which the first remote application is emulated and the second information further comprises an address of the client on which the second remote application is emulated.

12. (Original) The method of claim 6, wherein the first information further comprises an internet protocol (IP) address of the client on which the first remote application is emulated and the second information comprises an IP address of the client on which the second remote application is emulated.

13. (Previously presented) At least one computer-readable medium encoded with instructions for performing a method in a system comprising a first client, a context management (CM) server, a remote application server and at least one network that couples together the first client, the CM server and the remote application server, the remote application server executing at least one remote application, the first client executing at least one client application that may share a context with the at least one remote application, the first client further executing an

emulation application that emulates the at least one remote application on the first client, the CM server executing a context management service to manage the context, the method for verifying that the at least one remote application is emulated on the first client and may belong to the context, the method comprising acts of:

- (a) receiving from the first client first information that uniquely identifies an aspect of the first client;
- (b) receiving from the remote application server second information that uniquely identifies an aspect of a remote client on which the at least one remote application is emulated; and
- (c) determining that the at least one remote application is emulated on the first client and may belong to the context when the first information matches the second information; and
- (d) if it is determined in the act (c) that the at least one remote application is emulated on the first client, allowing the at least one remote application and the at least one client application to belong to the context, the context being defined by subject data for at least one subject usable by the at least one client application and the at least one remote application, the subject data comprising, for the at least one subject, a data item having a set of values comprising at least a first value corresponding to the at least one client application and at least a second value corresponding to the at least one remote application, the set of values identifying the at least one subject in the context.

14. (Previously presented) The at least one computer-readable medium of claim 13, wherein the act (a) comprises an act of receiving from the first client first information that comprises a hardware address for the first client;

wherein the act (b) comprises an act of receiving from the remote application server a hardware address for the remote client on which the at least one remote application is emulated;

and wherein the act (c) comprises an act of determining that the at least one remote application is emulated on the first client and may belong to the context when the hardware address in the first information matches the hardware address in the second information.

15. (Previously presented) The at least one computer-readable medium of claim 13, wherein the act (b) comprises an act of receiving, at the remote application server, the hardware address transmitted from the remote client on which the at least one remote application is emulated.

16. (Previously presented) At least one computer-readable medium encoded with instructions for performing a method in a system comprising at least one client, a context management (CM) server, a plurality of remote application servers and at least one network that couples together the at least one client, the CM server and the plurality of remote application servers, the plurality of remote application servers comprising first and second remote application servers respectively executing first and second remote applications that are emulated on the at least one client and may share a context, the at least one client executing at least one emulation application that emulates the first and second remote applications on the at least one client, the CM server executing a context management service to manage the context, the method for verifying that the first and second remote applications are emulated on a same client and may belong to a same context, the method comprising acts of:

- (a) receiving from the first remote application server first information that uniquely identifies an aspect of a client on which the first remote application is emulated;
- (b) receiving from the second remote application server second information that uniquely identifies an aspect of a client on which the second remote application is emulated;
- (c) determining that the first and second remote applications are emulated on the same client and may belong to the same context by examining the first information and the second information; and
- (d) if it is determined in the act (c) that the first and second remote applications are emulated on the same client, allowing the first and second remote applications to belong to the same context, the context being defined by subject data usable by the first and second remote applications, the subject data describing at least one subject, the subject data comprising, for the at least one subject, a data item having a set of values comprising

at least a first value corresponding to the first remote application and at least a second value corresponding to the second remote application, the set of values identifying the at least one subject in the context.

17. (Original) The at least one computer-readable medium of claim 16, wherein each client that emulates a remote application executing on the at least one remote application server logs into the remote application server using login information, wherein the first information comprises the login information for the client on which the first remote application is emulated and the second information comprises the login information for the client on which the second remote application is emulated.

18. (Original) The at least one computer-readable medium of claim 17, wherein the login information comprises a user identifier.

19. (Previously presented) The at least one computer-readable medium of claim 17, wherein the method further comprises an act of (e) receiving from the same client information that uniquely identifies the aspect of the client identified by the first information in the act (a) and information that uniquely identifies the aspect of the client identified by the second information in the act (b); and

wherein the act (c) comprises an act of determining that the first and second remote applications are emulated on the same client when the information received in the act (e) matches the first and second information.

20. (Original) The at least one computer-readable medium of claim 16, wherein the act (c) comprises determining that the first and second remote applications are emulated on the same client and may belong to the same context when the first information matches the second information.

21. (Original) The at least one computer-readable medium of claim 20, wherein the first information comprises an address of the client on which the first remote application is emulated and the second information comprises an address of the client on which the second remote application is emulated.

22. (Original) The at least one computer-readable medium of claim 20, wherein the first information comprises an internet protocol (IP) address of the client on which the first remote application is emulated and the second information comprises an IP address of the client on which the second remote application is emulated.

23. (Original) The at least one computer-readable medium of claim 17, wherein the first information further comprises an address of the client on which the first remote application is emulated and the second information further comprises an address of the client on which the second remote application is emulated.

24. (Original) The at least one computer-readable medium of claim 18, wherein the first information further comprises an internet protocol (IP) address of the client on which the first remote application is emulated and the second information comprises an IP address of the client on which the second remote application is emulated.

25. (Previously presented) A context management server for use in a system comprising a first client, the context management server, a remote application server and at least one network that couples together the first client, the context management server and the remote application server, the remote application server executing at least one remote application, the first client executing at least one client application that may share a context with the at least one remote application, the first client further executing an emulation application that emulates the at least one remote application on the first client, the context management server comprising:

at least one processor to execute a context management service to manage the context;

and

at least one controller that:

receives from the first client first information that uniquely identifies an aspect of the first client;

receives from the remote application server second information that uniquely identifies an aspect of a remote client on which the at least one remote application is emulated; and

determines that the at least one remote application is emulated on the first client and may belong to a same context when the first information matches the second information; and

if it is determined that the at least one remote application is emulated on the first client, allows the at least one remote application and the at least one client application to belong to the context, the context being defined by subject data for at least one subject usable by the at least one client application and the at least one remote application, the subject data comprising, for the at least one subject, a data item having a set of values comprising at least a first value corresponding to the at least one client application and at least a second value corresponding to the at least one remote application, the set of values identifying the at least one subject in the context.

26. (Previously presented) The context management server of claim 25, wherein the controller receives from the first client first information that comprises a hardware address for the first client, receives from the remote application server a hardware address for the remote client on which the at least one remote application is emulated, and determines that the at least one remote application is emulated on the first client and may belong to the same context when the hardware address in the first information matches the hardware address in the second information.

27. (Previously presented) A context management server for use in a system comprising at least one client, the context management server, a plurality of remote application servers and at least one network that couples together the at least one client, the context management server and

the plurality of remote application servers, the plurality of remote application servers comprising first and second remote application servers respectively executing first and second remote applications that are emulated on the at least one client and may share a context, the at least one client executing at least one emulation application that emulates the first and second remote applications on the at least one client, the context management server comprising:

at least one processor to execute a context management service to manage the context;
and

at least one controller that:

receives from the first remote application server first information that uniquely identifies an aspect of the at least one client on which the first remote application is emulated;

receives from the second remote application server second information that uniquely identifies an aspect of the at least one client on which the second remote application is emulated;

determines that the first and second remote applications are emulated on a same client and may belong to a same context by examining the first information and the second information; and

if it is determined that the first and second remote applications are emulated on the same client, allows the first and second remote applications to belong to the same context, the context being defined by subject data usable by the first and second remote applications, the subject data describing at least one subject, the subject data comprising, for the at least one subject, a data item having a set of values comprising at least a first value corresponding to the first remote application and at least a second value corresponding to the second remote application, the set of values identifying the at least one subject in the context.

28. (Original) The context management server of claim 27, wherein each client that emulates a remote application executing on the at least one remote application server logs into the remote application server using login information, wherein the first information comprises the login

information for the client on which the first remote application is emulated and the second information comprises the login information for the client on which the second remote application is emulated.

29. (Original) The context management server of claim 28, wherein the login information comprises a user identifier.

30. (Previously presented) The context management server of claim 27, wherein the controller further receives from the same client information that uniquely identifies the aspect of the client identified by the first information, information that uniquely identifies the aspect of the client identified by the second information, and determines that the first and second remote applications are emulated on the same client when the information received matches the first and second information.

31. (Original) The context management server of claim 27, wherein the controller determines that the first and second remote applications are emulated on the same client and may belong to the same context when the first information matches the second information.

32. (Original) The context management server of claim 31, wherein the first information comprises an address of the client on which the first remote application is emulated and the second information comprises an address of the client on which the second remote application is emulated.

33. (Original) The context management server of claim 31, wherein the first information comprises an internet protocol (IP) address of the client on which the first remote application is emulated and the second information comprises an IP address of the client on which the second remote application is emulated.

34. (Original) The context management server of claim 28, wherein the first information further comprises an address of the client on which the first remote application is emulated and the second information further comprises an address of the client on which the second remote application is emulated.
35. (Original) The context management server of claim 29, wherein the first information further comprises an internet protocol (IP) address of the client on which the first remote application is emulated and the second information comprises an IP address of the client on which the second remote application is emulated.
36. (Previously presented) The method of claim 1, further comprising an act of:
- (e) if it is determined in the act (c) that the at least one remote application is not emulated on the first client, preventing the at least one remote application and the at least one client application from belonging to the context.
37. (Previously presented) The method of claim 4, further comprising an act of:
- (f) if it is determined in the act (c) that the first and second remote applications are not emulated on the same client, preventing the first and second remote applications from belonging to the same context.
38. (Previously presented) The at least one computer-readable medium of claim 13, further encoded with instructions for performing an act of:
- (e) if it is determined in the act (c) that the at least one remote application is not emulated on the first client, preventing the at least one remote application and the at least one client application from belonging to the context.
39. (Previously presented) The at least one computer-readable medium of claim 16, further encoded with instructions for performing an act of:

(f) if it is determined in the act (c) that the first and second remote applications are not emulated on the same client, preventing the first and second remote applications from belonging to the same context.

40. (Previously presented) The context management server of claim 25, wherein the at least one controller, if it is determined that the at least one remote application is not emulated on the first client, prevents the at least one remote application and the at least one client application from belonging to the context.

41. (Previously presented) The context management server of claim 27, wherein the at least one controller, if it is determined that the first and second remote applications are not emulated on the same client, prevents the first and second remote applications from belonging to the same context.